

**TEXAS AIR CONTROL BOARD**  
Source Surveillance Investigator's Report

Account Number: 116-364-7  
1 7

01 Region: 08 County: Dallas Local Program: 082 Investigation Conducted By: 082  
11 13 26 29  
Date of Investigation: 02/02/76 Regional and Compliance Divisions Status: AA X EX 38 DA 39  
32 34 36 40  
Regional determines EI Status should be: AA 41 EX 42 DA 43 Computer Time: 1345 Area Land Use: A 44 B 47 C 47 D 47

CHANGE  
10

Name, Parent Company, Location and Mail Address:  
02 Consolidated Casting Corp. 48  
11  
03 Sub. of Rochester Gauges, Inc. 48  
11  
04 Caroline St. in Dallas 48  
11  
05 2425 Caroline 48  
11  
06 Dallas, Texas 75201 48  
11  
07 48  
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08 48  
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09 48  
11


10 Name of Management: William Wurster Title: General Mgr.  
11 36  
11 Person Contacted: Same Title: 36 AC 214 No. 748-9051  
11 36 52 55  
12 Nature of Business: Steel foundry EI Group No(s) 28  
11 60 62 64  
13 Primary Products: Steel castings  
11

14 Biennial Investigation? X Progress Report? 11 Complaint Investigation? 12 Permit Investigation? 13  
11 12 13 14  
Alternate Methods? 15 Compliance Request? 16 Upset and Maintenance Notification? 17 Other? 18  
15 16 17 18  
Notice of Violation of 19 On this date account appears to be in compliance. X Yes 26 No 27 Undetermined 28  
19 26 27 28

15 Type of Sample taken: Property Line Opacity 11 Stack 12 Pollutant Sampled for: Particulate 14 SO<sub>2</sub> 15 H<sub>2</sub>S 16  
11 12 13 14 15 16  
Other 17 No sample taken but Problem Exists of Priority: High 24 Medium 25 Low 26  
17 24 25 26  
Emissions Inventory Point Source Number Sampled: 27 Sampled Fugitive Emissions: 32  
27 32

16 Statement of Problem: 11  
11

17 Complaint Number: 11 Date Complaint Received 16/18/20 Nature of Complaint: Odor 22 Smoke 23 Dust 24 Other 25  
11 16 18 20 22 23 24 25  
18 Complaint Number: 11 Date Complaint Received 16/18/20 Nature of Complaint: Odor 22 Smoke 23 Dust 24 Other 25  
11 16 18 20 22 23 24 25  
19 Complaint Number: 11 Date Complaint Received 16/18/20 Nature of Complaint: Odor 22 Smoke 23 Dust 24 Other 25  
11 16 18 20 22 23 24 25

If Name and/or Address Change, give Previous Name and/or Address:  
9490347  


Investigators: Davis T. Maulding, R.S. Approved By: [Signature]  
Investigator's Comments: See attached survey.

CITY OF DALLAS PUBLIC HEALTH DEPARTMENT  
ENVIRONMENTAL CONSERVATION SERVICES  
AIR POLLUTION CONTROL SECTION

CONSOLIDATED CASTINGS CORP.  
2425 CAROLINE ST.  
DALLAS, TEXAS 75201  
PHONE: 748-9051

INSPECTOR: Davis T. Maulding, R.S.  
DATE: September 9, 1975  
MSSL: 116-364-7  
MAPSCO: 45-F

TYPE OF OPERATION: The manufacture of precision steel castings.

MANAGEMENT/HISTORY: Plant has been at its present location since 1966. Consolidated Castings is a subsidiary of Rochester Gauges, Inc. of Dallas which is privately owned company. Mr. William Wurster, general manager, and George Isom, plant engineer, were sources contacted.

PLANT OPERATION: This company employs approximately 95 employees who work the normal 40-hour week. The wax department uses five people on the second shift.

CHANGES SINCE LAST SURVEY: An after-burner has been added to the furnace stack to control any smoke arising as a result of the wax being removed from the castings.

<u>RAW MATERIALS:</u>	Stainless and alloy steel	4,000 lbs./day
	Ground Zircon	2,000 lbs./month
	Wax	6,000 lbs./month
	Ground fire brick	8 tons/month
	Colloidal silica	20 drums/month
	(55-gallon drums. Contain 30% silicon dioxide and 70% water.)	
	Natural gas	\$1,000 per month

PROCESS: Castings are made in machine shop, the wax molds are made from castings and then coated with ground fire bricks. Next the wax is removed by steam and the metal is poured into the casting. The casting is then sandblasted.

EMISSION SOURCES: Stacks from five bake-out furnaces where wax smoke is emitted. The steam autoclave is also vented to the outside.

EMISSION CONTROL EQUIPMENT: Baghouses inside plant to collect particles from sand-blasters and grinders. There are two abrasive cutoff machines controlled by wet dust collectors. An afterburner has been installed to reduce smoke resulting from bake-out furnaces.

PROPOSED NEW EQUIPMENT: None.

GENERAL HOUSEKEEPING: Good.

REFUSE DISPOSAL: Chemical wastes are hauled by private contractor. Commercial dumpster is used for other trash.

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CONSOLIDATED CASTINGS CORP.

ATTITUDE OF MANAGEMENT: Good.

COMMENTS: A breakdown in the stack afterburner has resulted in some smoking the past few days. However, the afterburner has been repaired and will be operative again after this coming weekend.

*Davis T. Maulding*

Davis T. Maulding, R.S.  
Air Pollution Control Section

DTM/km